



RAMEY KEMP  
&  
ASSOCIATES  
TRANSPORTATION ENGINEERS

5808 Faringdon Place, Suite 100

Raleigh, NC 27609

PH: 919 872-5115

File Name : New Bethel Church Road & Benson Road

Site Code : 12032014

Start Date : 12/3/2014

Page No : 1

### Groups Printed- Vehicles

	Benson Road Southbound				New Bethel Church Road Westbound				Benson Road Northbound				Church Driveway Eastbound				Groups Printed Vehicles		
Start Time	Right	Thru	Left	Trucks	Right	Thru	Left	Trucks	Right	Thru	Left	Trucks	Right	Thru	Left	Trucks	Excl. Total	Indu. Total	Int. Total
07:00 AM	0	14	2	0	5	0	0	0	0	106	0	0	0	0	0	0	0	127	127
07:05 AM	0	12	1	0	4	0	4	0	1	100	0	0	0	0	0	0	0	122	122
07:10 AM	0	25	1	1	4	0	3	0	2	106	0	1	0	0	0	0	2	141	143
07:15 AM	0	13	4	0	5	0	1	0	1	106	0	0	0	0	0	0	0	130	130
07:20 AM	0	25	4	0	7	0	2	0	1	112	0	0	0	0	0	0	0	151	151
07:25 AM	0	21	2	0	6	0	3	0	4	104	0	0	0	0	0	0	0	140	140
07:30 AM	0	26	1	0	9	0	7	0	1	100	0	0	0	0	0	0	0	144	144
07:35 AM	0	24	0	0	4	0	3	0	3	112	0	0	0	0	1	0	0	147	147
07:40 AM	0	20	2	0	4	0	3	0	4	102	0	0	0	0	0	0	0	135	135
07:45 AM	0	12	1	0	4	0	8	0	2	89	0	0	0	0	0	0	0	116	116
07:50 AM	0	24	3	0	5	0	4	0	2	95	0	0	0	0	0	0	0	133	133
07:55 AM	0	29	3	0	7	0	3	0	3	98	0	0	0	0	0	0	0	143	143
Total	0	245	24	1	64	0	41	0	24	1230	0	1	0	0	1	0	2	1629	1631
08:00 AM	0	30	1	0	5	0	3	0	1	99	0	0	0	0	0	0	0	139	139
08:05 AM	0	34	2	0	4	0	3	0	1	98	0	0	0	0	0	0	0	142	142
08:10 AM	0	29	1	0	5	0	3	1	2	111	0	0	0	0	0	0	1	151	152
08:15 AM	0	31	2	0	2	0	7	0	2	102	0	0	0	0	0	0	0	146	146
08:20 AM	0	28	2	0	1	0	0	0	3	102	0	2	0	0	0	0	2	136	138
08:25 AM	0	25	1	0	4	0	5	0	1	73	0	0	0	0	0	0	0	109	109
08:30 AM	0	29	4	0	2	0	2	0	3	81	0	1	0	0	0	0	1	121	122
08:35 AM	0	20	3	0	5	0	3	0	2	78	0	0	0	0	0	0	0	111	111
08:40 AM	0	33	1	0	4	0	6	0	3	80	0	0	0	0	0	0	0	127	127
08:45 AM	0	27	0	0	4	0	2	0	0	76	0	0	0	0	0	0	0	109	109
08:50 AM	0	33	2	0	6	0	7	0	0	100	0	0	0	0	0	0	0	148	148
08:55 AM	0	30	5	0	3	0	5	0	7	77	0	0	0	0	0	0	0	127	127
Total	0	349	24	0	45	0	46	1	25	1077	0	3	0	0	0	0	4	1566	1570

\*\*\* BREAK \*\*\*



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Groups Printed- Vehicles

Start Time	Benson Road Southbound				New Bethel Church Road Westbound				Benson Road Northbound				Church Driveway Eastbound							
	Right	Thru	Left	Trucks	Right	Thru	Left	Trucks	Right	Thru	Left	Trucks	Right	Thru	Left	Trucks	Excl. Total	Indu. Total	Int. Total	
03:10 PM	1	43	4	0	4	0	3	0	1	39	0	0	0	0	0	0	0	95	95	
03:15 PM	0	58	3	0	4	0	2	0	0	33	0	0	0	0	0	0	0	100	100	
03:20 PM	0	72	1	0	4	0	0	0	1	43	0	1	0	0	0	0	0	121	121	
03:25 PM	0	74	1	0	2	0	3	0	0	41	0	0	0	0	0	0	0	121	121	
03:30 PM	1	75	1	0	2	0	2	0	3	38	0	0	0	0	0	0	0	122	122	
03:35 PM	0	78	3	0	1	0	3	0	2	37	0	0	0	0	0	0	0	124	124	
03:40 PM	0	78	4	0	3	0	1	0	1	38	0	0	1	0	0	0	0	126	126	
03:45 PM	0	63	4	0	3	0	4	0	0	39	0	0	0	0	0	0	0	113	113	
03:50 PM	1	88	1	0	2	0	8	0	2	49	0	0	0	0	0	0	0	151	151	
03:55 PM	0	96	4	0	1	0	3	0	3	48	0	0	0	0	1	0	0	156	156	
Total	3	829	33	0	31	0	36	0	20	496	0	1	1	0	1	0	1	1450	1451	
04:00 PM	0	83	4	0	2	0	3	0	5	53	0	0	0	0	0	0	0	150	150	
04:05 PM	1	89	7	0	6	1	8	0	5	51	0	0	0	0	0	0	0	168	168	
04:10 PM	1	105	6	0	2	0	2	0	7	45	0	0	0	0	0	0	0	168	168	
04:15 PM	0	94	7	0	5	0	5	0	3	46	1	0	0	0	0	0	0	161	161	
04:20 PM	0	86	7	0	0	0	10	0	2	50	0	0	0	0	0	0	0	155	155	
04:25 PM	0	92	2	0	5	0	0	0	2	40	0	0	0	0	0	0	0	141	141	
<b>*** BREAK ***</b>																				
Grand Total	8	2537	148	4	183	1	179	1	124	3535	2	5	1	0	2	0	10	6720	6730	
Apprch %	0.3	94.2	5.5	4	50.4	0.3	49.3	1	3.4	96.6	0.1	33.3	0	66.7	0	0	0.1	99.9		
Total %	0.1	37.8	2.2		2.7	0	2.7		1.8	52.6	0	0	0	0	0	0	0.1			



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Page No : 3

	Benson Road Southbound				New Bethel Church Road Westbound				Benson Road Northbound				Church Driveway Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 11:55 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:20 AM																	
07:20 AM	0	25	4	29	7	0	2	9	1	112	0	113	0	0	0	0	151
07:25 AM	0	21	2	23	6	0	3	9	4	104	0	108	0	0	0	0	140
07:30 AM	0	26	1	27	9	0	7	16	1	100	0	101	0	0	0	0	144
07:35 AM	0	24	0	24	4	0	3	7	3	112	0	115	0	0	1	1	147
07:40 AM	0	20	2	22	4	0	3	7	4	102	0	106	0	0	0	0	135
07:45 AM	0	12	1	13	4	0	8	12	2	89	0	91	0	0	0	0	116
07:50 AM	0	24	3	27	5	0	4	9	2	95	0	97	0	0	0	0	133
07:55 AM	0	29	3	32	7	0	3	10	3	98	0	101	0	0	0	0	143
08:00 AM	0	30	1	31	5	0	3	8	1	99	0	100	0	0	0	0	139
08:05 AM	0	34	2	36	4	0	3	7	1	98	0	99	0	0	0	0	142
08:10 AM	0	29	1	30	5	0	3	8	2	111	0	113	0	0	0	0	151
08:15 AM	0	31	2	33	2	0	7	9	2	102	0	104	0	0	0	0	146
Total Volume	0	305	22	327	62	0	49	111	26	1222	0	1248	0	0	1	1	1687
% App. Total	0	93.3	6.7		55.9	0	44.1		2.1	97.9	0		0	0	100		
PHF	.000	.748	.458	.757	.574	.000	.510	.578	.542	.909	.000	.904	.000	.000	.083	.083	.931



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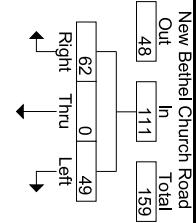
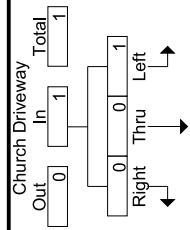
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Start Date : 12/3/2014  
Page No : 4

Benson Road		
Out	In	Total
1285	327	1612
0	305	22
Right	Thru	Left

### Peak Hour Data

North

Peak Hour Begins at 07:20 AM  
Vehicles



Benson Road		
Left	Thru	Right
0	1222	26
354	1248	1602
Out	In	Total



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Page No : 5

	Benson Road Southbound				New Bethel Church Road Westbound				Benson Road Northbound				Church Driveway Eastbound				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 04:30 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 03:30 PM																	
03:30 PM	.	75	1	77	2	0	2	4	3	38	0	41	0	0	0	0	122
03:35 PM	0	78	3	81	1	0	3	4	2	37	0	39	0	0	0	0	124
03:40 PM	0	78	4	82	3	0	1	4	1	38	0	39	,	0	0	,	126
03:45 PM	0	63	4	67	3	0	4	7	0	39	0	39	0	0	0	0	113
03:50 PM	1	88	1	90	2	0	8	10	2	49	0	51	0	0	0	0	151
03:55 PM	0	96	4	100	1	0	3	4	3	48	0	51	0	0	1	1	156
04:00 PM	0	83	4	87	2	0	3	5	5	53	0	58	0	0	0	0	150
04:05 PM	1	89	7	97	6	1	8	15	5	51	0	56	0	0	0	0	168
04:10 PM	1	105	6	112	2	0	2	4	7	45	0	52	0	0	0	0	168
04:15 PM	0	94	7	101	5	0	5	10	3	46	1	50	0	0	0	0	161
04:20 PM	0	86	7	93	0	0	10	10	2	50	0	52	0	0	0	0	155
04:25 PM	0	92	2	94	5	0	0	5	2	40	0	42	0	0	0	0	141
Total Volume	4	1027	50	1081	32	1	49	82	35	534	1	570	1	0	1	2	1735
% App. Total	0.4	95	4.6		39	1.2	59.8		6.1	93.7	0.2		50	0	50		
PHF	.333	.815	.595	.804	.444	.083	.408	.456	.417	.840	.083	.819	.083	.000	.083	.167	.861

